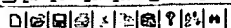


| L Number | Hits  | Search Text                                                                                | DB                              | Time stamp       |
|----------|-------|--------------------------------------------------------------------------------------------|---------------------------------|------------------|
| 1        | 124   | shutter near20 (card adj reader)                                                           | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:06 |
| 2        | 24    | (shutter near20 (card adj reader)) near20 (open\$3 near20 clos\$4)                         | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 15:28 |
| 7        | 12554 | lee.xa.                                                                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:03 |
| 8        | 52    | lee.xa. and seung                                                                          | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:03 |
| 9        | 42    | (lee.xa. and seung) and 235/\$7.ccls.                                                      | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:03 |
| 10       | 0     | shutter near20 (card adj reader) near20 diagonal\$4                                        | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:08 |
| 11       | 1     | shutter near20 (card ) near20 diagonal\$4                                                  | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:15 |
| 12       | 189   | shutter near20 diagonal\$4                                                                 | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/07/24 16:16 |
| 40       | 7     | ("3634656"   "3909595"   "3979578"   "3980167"   "5136144"  <br>"5483069"   "5507481").PN. | USPAT                           | 2003/07/24 16:22 |



- ☐ Drafts
- ☒ Pending
  - ☒ Active
    - L1: (0) shutter adj25 mechanidm
    - L2: (7597) shutter adj25 mechanis
    - L3: (88) 2 and 235/57. ccls.
    - L4: (1) "88" and (card adj trap)
    - L5: (1) 3 and (card adj trap)
    - L6: (1) 5850079. UREN.
    - L7: (14) ("3818187" | "3946204" |
  - ☒ Failed
    - Saved
      - (142) 235/479. ccls.
      - (34) 235/479. ccls. and carriage
      - (4334) 235/479 235/480 235/483 23
      - (208) (235/479 235/480 235/483 23
      - (120) ((235/479 235/480 235/483 2
      - (52) ((235/479 235/480 235/483 23
      - (32) (235/479 235/480 235/483 23
      - (6) (("5821515" ) or ("4900908" ) o
- ☒ Favorites
- ☒ Tagged
- ☒ UDC
- ☒ Queue
- ☒ Trash

|      |  |         |       |       |
|------|--|---------|-------|-------|
| Free |  | Brownie | Quavo | Clear |
|------|--|---------|-------|-------|

DB: USPAT

Default operator: **OR**

☐ Plots      ☐ Synonyms

☒ Highlight all hit terms initially

3 and (card adj trap)

 BRS form
  IS&R form
  Image
  Text

|   | U                                   | Document ID  | Issue Date | Pages | Title                                    | Current OR | Current XRef       | Retrieval C | Inventor                | S                                   | C                        | P                        | 2                        | 3                        | 5                        |
|---|-------------------------------------|--------------|------------|-------|------------------------------------------|------------|--------------------|-------------|-------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | <input checked="" type="checkbox"/> | US 5850079 A | 19981215   | 22    | Card reader with a theft counter measure | 235/475    | 194/351<br>235/441 |             | Ohwa, Junji<br>, et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



- ☐ Drafts
- ☐ Pending
- ☒ Active
  - ☒ L15: (4334) 235/479 235/480 235/4
  - ☒ L16: (208) 15 and carriage
  - ☒ L17: (120) 16 and plate
  - ☒ L18: (52) 16 and transport
  - ☒ L19: (32) 16 and transporting
- ☐ Failed
- ☐ Saved
  - ☒ (142) 235/479.ccls.
  - ☒ (34) 235/479.ccls. and carriage
- ☐ Favorites
- ☐ Tagged
- ☐ UDC
- ☐ Queue
- ☐ Trash

USPAT

Default operator: OR

☐ Plots ☐ Synonyms  
☐ Highlight all hit terms initially

16 and transporting

BRS form IS&R form Image Text

|    | U                                   | Document ID  | Issue Date | Pages | Title                                                   | Current OR | Current XRef            | Retrieval C | Inventor                         | S                                   | C                        | P                        | 3                        | 9                        | 4                        |
|----|-------------------------------------|--------------|------------|-------|---------------------------------------------------------|------------|-------------------------|-------------|----------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1  | <input checked="" type="checkbox"/> | US 4994658 A | 19910219   | 16    | Apparatus for controlling movement of an optical        | 235/473    | 235/479<br>; 235/483    |             | Takahashi, Shunzo<br>, et al.    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2  | <input checked="" type="checkbox"/> | US 4933537 A | 19900612   | 16    | Apparatus for controlling movement of an optical        | 235/454    | 235/473<br>; 235/475    |             | Takahashi, Shunzo<br>, et al.    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3  | <input type="checkbox"/>            | US 6104291 A | 20000815   | 25    | Method and apparatus for testing RFID tags              | 340/572.1  | 340/572.5               |             | Beauvillier, Luc<br>, et al.     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4  | <input type="checkbox"/>            | US 6091884 A | 20000718   | 243   | Enhancing operations of video tape cassette players     | 386/83     | 386/46<br>; 386/95      |             | Yuen, Henry C.<br>, et al.       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5  | <input type="checkbox"/>            | US 6089457 A | 20000718   | 62    | Card transport mechanism and method of operation        | 235/475    | 235/492                 |             | LaManna, Richard J.<br>, et al.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6  | <input type="checkbox"/>            | US 6079624 A | 20000627   | 26    | Data processing form using a scanning apparatus         | 235/494    | 235/475<br>; 235/482    |             | Apperson, William C.<br>, et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7  | <input type="checkbox"/>            | US 5920055 A | 19990706   | 58    | Card transport mechanism and method of operation        | 235/380    | 235/444                 |             | Roth, Philip M.<br>, et al.      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8  | <input type="checkbox"/>            | US 5837991 A | 19981117   | 64    | Card transport mechanism and method of operation        | 235/475    | 235/375<br>; 235/432    |             | LaManna, Richard J.<br>, et al.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9  | <input type="checkbox"/>            | US 5614707 A | 19970325   | 25    | Picker carriage for grasping a card                     | 235/479    | 235/475                 |             | Lundstrom, Robert W.<br>, et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | <input type="checkbox"/>            | US 5376780 A | 19941227   | 10    | Method of and arrangement for reading a bar code on     | 235/462.05 | 235/454<br>; 250/568    |             | Klueter, Ulrich                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | <input type="checkbox"/>            | US 5354976 A | 19941011   | 7     | Method for identification of rolls and a device for its | 235/454    | 250/566<br>; 318/568.16 |             | Makinen, Jukka<br>, et al.       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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DBs: USPAT

Default operator: OR

☐ Plurals ☐ Synonyms

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235/479.ccls.

|    | U | D | Document ID  | Issue Date | Pages | Title                                               | Current OR | Current XRef         | Retrieval C | Inventor                       | S | C | P | Z | X | A |
|----|---|---|--------------|------------|-------|-----------------------------------------------------|------------|----------------------|-------------|--------------------------------|---|---|---|---|---|---|
| 1  |   |   | US 6097692 A | 20000801   | 19    | Apparatus for feeding and ejecting an optical card  | 369/262    | 235/479<br>; 369/258 |             | Suzuki, Kazunori               |   |   |   |   |   |   |
| 2  |   |   | US 5836779 A | 19981117   | 9     | Code card reader                                    | 439/260    | 235/479              |             | Vogler, Bernhard               |   |   |   |   |   |   |
| 3  |   |   | US 5821515 A | 19981013   | 15    | Information recording and reproducing apparatus     | 235/441    | 235/479<br>; 235/492 |             | Kitahara, Toshihiro            |   |   |   |   |   |   |
| 4  |   |   | US 5814805 A | 19980929   | 6     | Chip-card reader                                    | 235/479    | 235/439<br>; 235/440 |             | Reichardt, Manfred<br>, et al. |   |   |   |   |   |   |
| 5  |   |   | US 5563397 A | 19961008   | 35    | Cards receiving mechanism having function for       | 235/441    | 235/479<br>; 235/486 |             | Fujimoto, Osamu<br>, et al.    |   |   |   |   |   |   |
| 6  |   |   | US 5360969 A | 19941101   | 11    | Information recording and reproducing apparatus     | 235/479    | 235/475              |             | Suzuki, Kazunori               |   |   |   |   |   |   |
| 7  |   |   | US 5337304 A | 19940809   | 21    | Optical information recording/reproducing           | 369/215    | 235/475<br>; 235/479 |             | Hashi, Hiroshi<br>, et al.     |   |   |   |   |   |   |
| 8  |   |   | US 5262629 A | 19931116   | 7     | Information recording and reproducing apparatus     | 235/486    | 235/454<br>; 235/479 |             | Hayashi, Hiroshi<br>, et al.   |   |   |   |   |   |   |
| 9  |   |   | US 5196687 A | 19930323   | 19    | Card reader having locking mechanism                | 235/483    | 235/441<br>; 235/479 |             | Sugino, Kiyotaka<br>, et al.   |   |   |   |   |   |   |
| 10 |   |   | US 5189661 A | 19930223   | 10    | Card carrier                                        | 369/258    | 235/475<br>; 235/479 |             | Honda, Tetsuya<br>, et al.     |   |   |   |   |   |   |
| 11 |   |   | US 5146069 A | 19920908   | 13    | Device for loading and unloading a memory cartridge | 235/475    | 235/479<br>; 235/485 |             | Orimoto, Masaaki<br>, et al.   |   |   |   |   |   |   |
| 12 |   |   | US 5047618 A | 19910910   | 29    | Linear oscillatory motion device for optical card   | 235/475    | 235/479<br>; 235/480 |             | Kobayashi, Koichi              |   |   |   |   |   |   |
| 13 |   |   | US 4994658 A | 19910219   | 16    | Apparatus for controlling movement of an optical    | 235/473    | 235/479<br>; 235/483 |             | Takahashi, Shunzo<br>, et al.  |   |   |   |   |   |   |